

ABSTRACT

Insulating Arrangement for the Inner Insulation of an Aircraft

The invention relates to an insulation arrangement for the inner insulation of an air vehicle according to the preamble of the claim 1.

By means of appropriate measures (and air guidances) there will be almost no humid air or other humid gas or water (vapor) particles that will penetrate into a film-encased insulation packet, whereby oppositely (in the case of an accumulation in this manner) the accumulated moisture will quickly and without hindrance escape from the insulation packet.

The insulation arrangement consisting of an insulation packet, which is encased by a film. The film is arranged in an interspace, which is enclosed by an inner trim component and an outer skin. The insulation packet, which is completely surrounded by the film, does not completely line the interspace. The film is realized with a film material that is permeable by gases, with which one achieves a differentiated diffusion resistance behavior dependent on the diffusion direction of the total arrangement.